



The State of New Hampshire  
*Department of Environmental Services*



Michael P. Nolin  
Commissioner

AGGREGATED PRECIPITATION DATA for N.H.  
DROUGHT MANAGEMENT AREAS

	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
<u>Coastal Drainage:</u> Rockingham, Strafford counties				
four month	18.70	13.14	5.56	142%
six month	20.85	19.14	1.71	109%
nine month	34.59	30.68	3.91	113%
twelve month	48.39	40.56	7.83	119%
<u>Southern Interior:</u> Belknap, Hillsborough, Merrimack counties				
four month	15.86	13.41	2.45	118%
six month	17.65	19.45	-1.81	91%
nine month	30.39	30.83	-0.43	99%
twelve month	44.42	41.08	3.34	108%
<u>South Western:</u> Cheshire, Sullivan counties				
four month	12.77	13.74	-0.97	93%
six month	14.55	19.74	-5.19	74%
nine month	26.45	30.74	-4.30	86%
twelve month	39.81	41.18	-1.38	97%
<u>White Mountain:</u> Carroll, Grafton counties				
four month	13.01	13.32	-0.32	98%
six month	14.70	18.88	-4.18	78%
nine month	31.25	29.88	1.37	105%
twelve month	45.94	40.66	5.28	113%
<u>North Country:</u> Coos county				
four month	12.22	13.28	-1.06	92%
six month	14.45	18.48	-4.03	78%
nine month	32.94	28.88	4.06	114%
twelve month	46.18	40.24	5.94	115%

four month period : March 2004 - June 2004

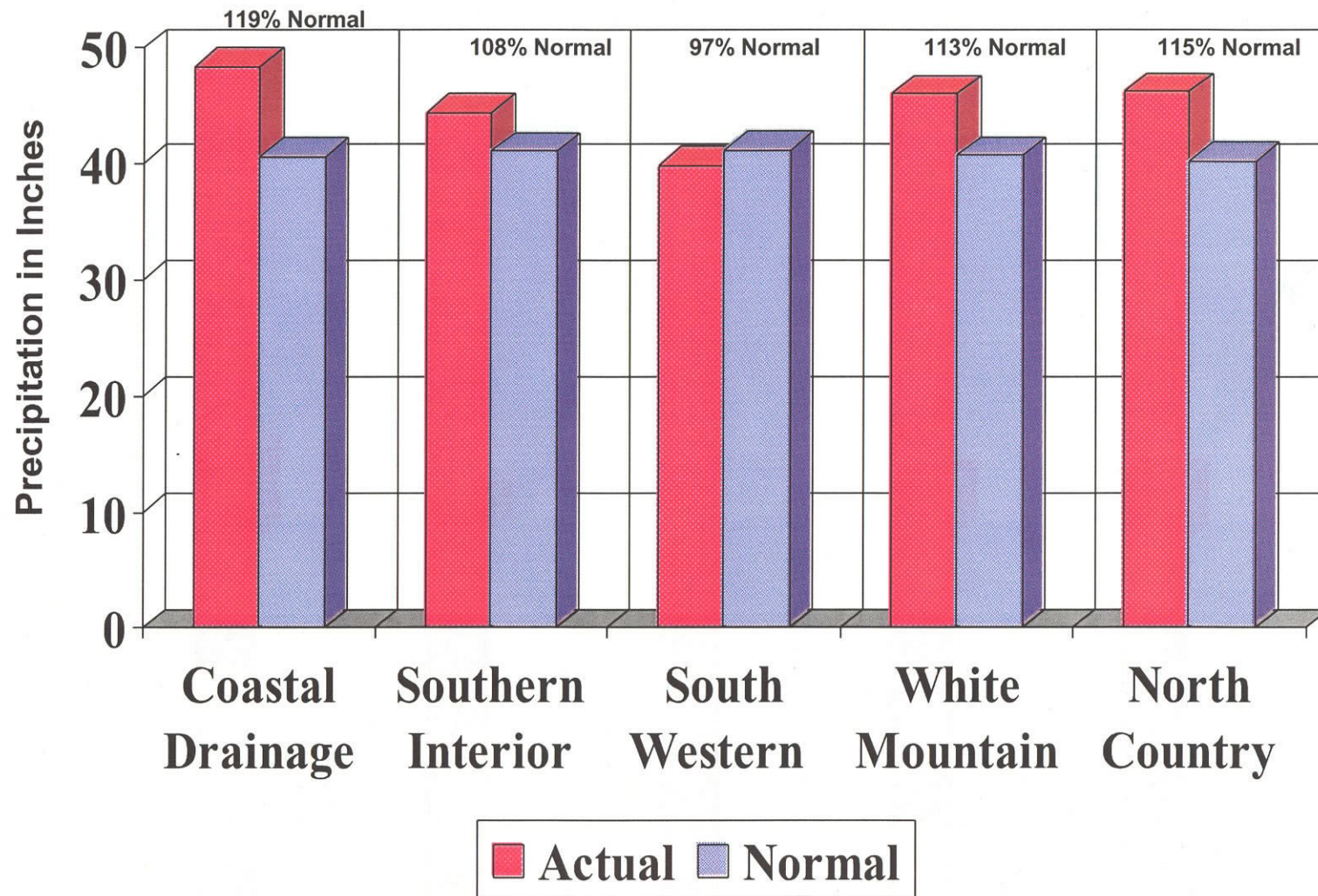
six month period : Jan 2004 - June 2004

nine month period : Oct 2003 - June 2004

twelve month period: July 2003 - June 2004

Source: Northeast River Forecast Center, NH Des Dam Bureau

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from July 2003 through June 2004



# MONTHLY PRECIPITATION DATA FOR N.H COUNTIES



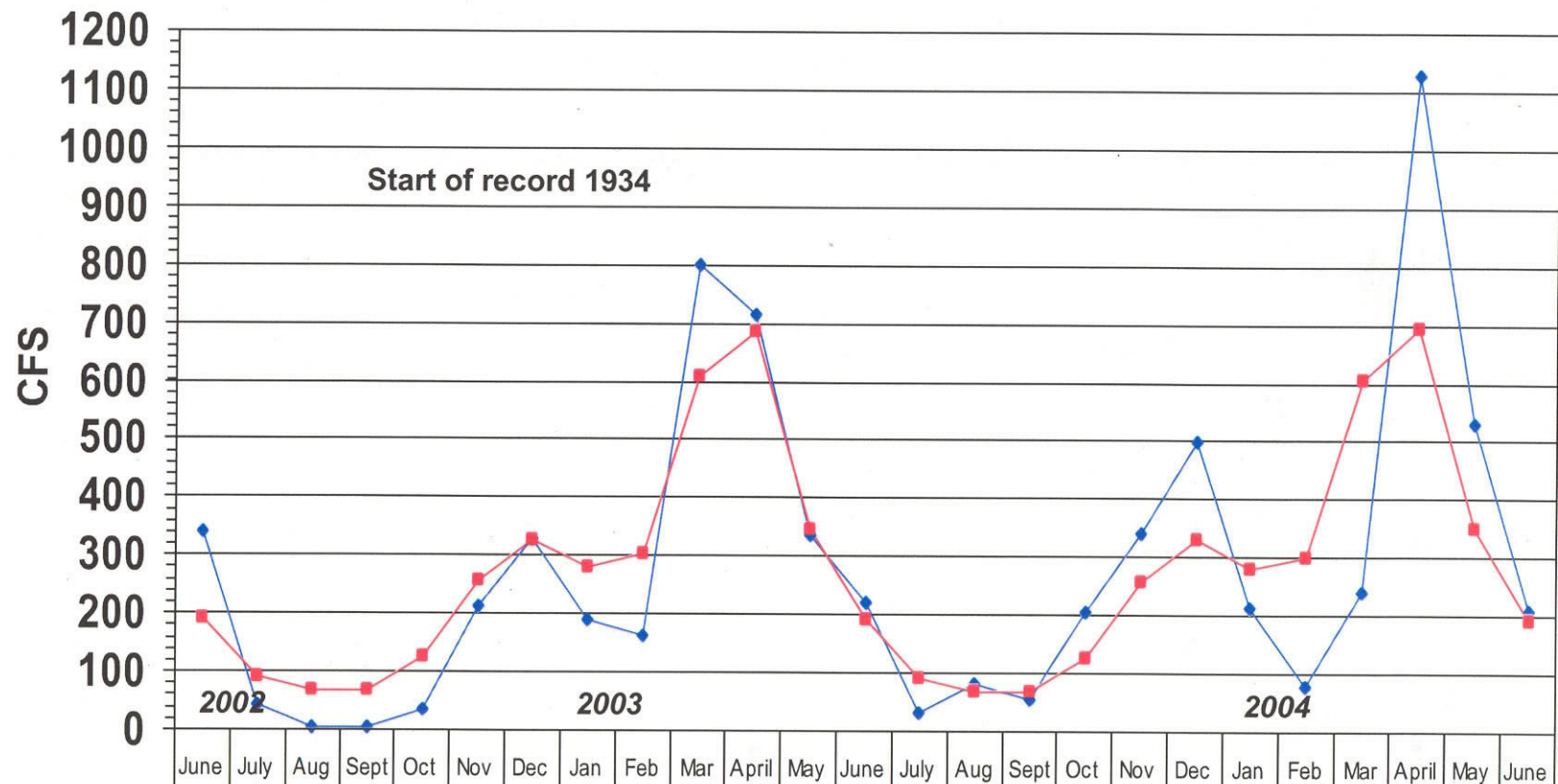
		2003						2004					
		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
<u>Coastal drainage</u>													
STRAFFORD	actual	1.90	5.77	5.69	5.63	2.56	5.64	0.70	1.34	1.50	8.23	6.68	2.58
	normal	3.12	3.28	3.32	3.48	4.12	3.76	3.12	2.72	3.20	3.40	3.28	3.04
	deviation	-1.22	2.49	2.37	2.15	-1.56	1.88	-2.42	-1.38	-1.70	4.83	3.40	-0.46
ROCKINGHAM	actual	1.95	7.66	4.64	5.15	2.83	5.67	1.00	1.25	1.67	8.44	5.36	2.94
	normal	3.20	3.44	3.40	3.56	4.24	3.92	3.32	2.84	3.40	3.44	3.40	3.12
	deviation	-1.25	4.22	1.24	1.59	-1.41	1.75	-2.32	-1.59	-1.73	5.00	1.96	-0.18
Average	actual	1.93	6.72	5.17	5.39	2.70	5.66	0.85	1.30	1.59	8.34	6.02	2.76
	normal	3.16	3.36	3.36	3.52	4.18	3.84	3.22	2.78	3.30	3.42	3.34	3.08
	deviation	-1.24	3.36	1.81	1.87	-1.49	1.82	-2.37	-1.49	-1.72	4.92	2.68	-0.32
<u>Southern Interior</u>													
HILLSBOROUGH	actual	1.73	5.81	4.64	4.33	2.45	5.63	1.00	1.20	1.39	8.25	4.27	2.34
	normal	3.32	3.68	3.60	3.72	4.32	4.16	3.60	3.16	3.88	3.56	3.52	3.36
	deviation	-1.59	2.13	1.04	0.61	-1.87	1.47	-2.60	-1.96	-2.49	4.69	0.75	-1.02
MERRIMACK	actual	2.52	7.38	5.39	4.65	2.62	5.83	0.74	1.18	1.40	7.36	5.71	2.53
	normal	3.28	3.44	3.36	3.44	4.00	3.92	3.16	2.84	3.40	3.36	3.36	3.20
	deviation	-0.76	3.94	2.03	1.21	-1.38	1.91	-2.42	-1.66	-2.00	4.00	2.35	-0.67
BELKNAP	actual	2.10	7.73	4.77	4.38	3.09	5.26	0.47	0.76	1.06	5.80	5.29	2.19
	normal	3.44	3.28	3.36	3.28	3.80	3.48	2.92	2.44	2.92	3.24	3.28	3.16
	deviation	-1.34	4.45	1.41	1.10	-0.71	1.78	-2.45	-1.68	-1.86	2.56	2.01	-0.97
Average	actual	2.12	6.97	4.93	4.45	2.72	5.57	0.74	1.05	1.28	7.14	5.09	2.35
	normal	3.35	3.47	3.44	3.48	4.04	3.85	3.23	2.81	3.40	3.39	3.39	3.24
	deviation	-1.23	3.51	1.49	0.97	-1.32	1.72	-2.49	-1.77	-2.12	3.75	1.70	-0.89
<u>South Western</u>													
CHESHIRE	actual	2.17	5.72	4.90	3.11	2.85	4.39	0.83	0.94	1.13	4.92	4.87	1.89
	normal	3.28	3.68	3.52	3.36	3.84	3.76	3.28	2.80	3.48	3.40	3.44	3.44
	deviation	-1.11	2.04	1.38	-0.25	-0.99	0.63	-2.45	-1.86	-2.35	1.52	1.43	-1.55
SULLIVAN	actual	2.18	6.08	5.67	4.66	3.49	5.29	0.68	1.11	1.14	4.79	4.56	2.24
	normal	3.32	3.64	3.44	3.48	3.84	3.72	3.12	2.80	3.36	3.44	3.56	3.36
	deviation	-1.14	2.44	2.23	1.18	-0.35	1.57	-2.44	-1.69	-2.22	1.35	1.00	-1.12
Average	actual	2.18	5.90	5.29	3.89	3.17	4.84	0.76	1.03	1.14	4.86	4.72	2.07
	normal	3.30	3.66	3.48	3.42	3.84	3.74	3.20	2.80	3.42	3.42	3.50	3.40
	deviation	-1.13	2.24	1.81	0.47	-0.67	1.10	-2.45	-1.78	-2.29	1.44	1.22	-1.34
<u>White Mountain</u>													
GRAFTON	actual	4.25	5.16	5.15	5.29	3.76	6.36	0.58	0.85	1.11	3.64	5.31	2.32
	normal	3.84	3.64	3.48	3.48	3.76	3.64	2.92	2.60	3.04	3.24	3.56	3.48
	deviation	0.41	1.52	1.67	1.81	0.00	2.72	-2.34	-1.75	-1.93	0.40	1.75	-1.16
CARROLL	actual	2.91	6.10	5.80	7.02	4.15	6.52	0.60	1.36	1.17	5.21	5.22	2.03
	normal	3.68	3.48	3.44	3.52	3.92	3.68	3.00	2.60	3.08	3.32	3.48	3.44
	deviation	-0.77	2.62	2.36	3.50	0.23	2.84	-2.40	-1.24	-1.91	1.89	1.74	-1.41
Average	actual	3.58	5.63	5.48	6.16	3.96	6.44	0.59	1.11	1.14	4.43	5.27	2.18
	normal	3.76	3.56	3.46	3.50	3.84	3.66	2.96	2.60	3.06	3.28	3.52	3.46
	deviation	-0.18	2.07	2.02	2.66	0.12	2.78	-2.37	-1.50	-1.92	1.15	1.75	-1.29
<u>North Country</u>													
COOS	actual	4.20	4.33	4.71	6.95	4.69	6.85	0.86	1.37	1.52	3.20	4.80	2.70
	normal	3.96	4.00	3.40	3.48	3.48	3.44	2.72	2.48	2.76	3.04	3.32	4.16
	deviation	0.24	0.33	1.31	3.47	1.21	3.41	-1.86	-1.11	-1.24	0.16	1.48	-1.46

# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



◆ Monthly Mean Flow	338	41	5	5	36	211	329	189	161	799	712	337	220	32	80	53	206	338	498	212	79	241	1125	529	207
■ Mean of Monthly Flow s	192	93	70	70	127	259	328	282	303	610	687	348	192	92	70	70	128	260	330	281	300	605	694	351	192
% of Normal	176%	44%	7%	7%	28%	81%	100%	67%	53%	131%	104%	97%	115%	35%	114%	76%	161%	130%	151%	75%	26%	40%	162%	151%	108%

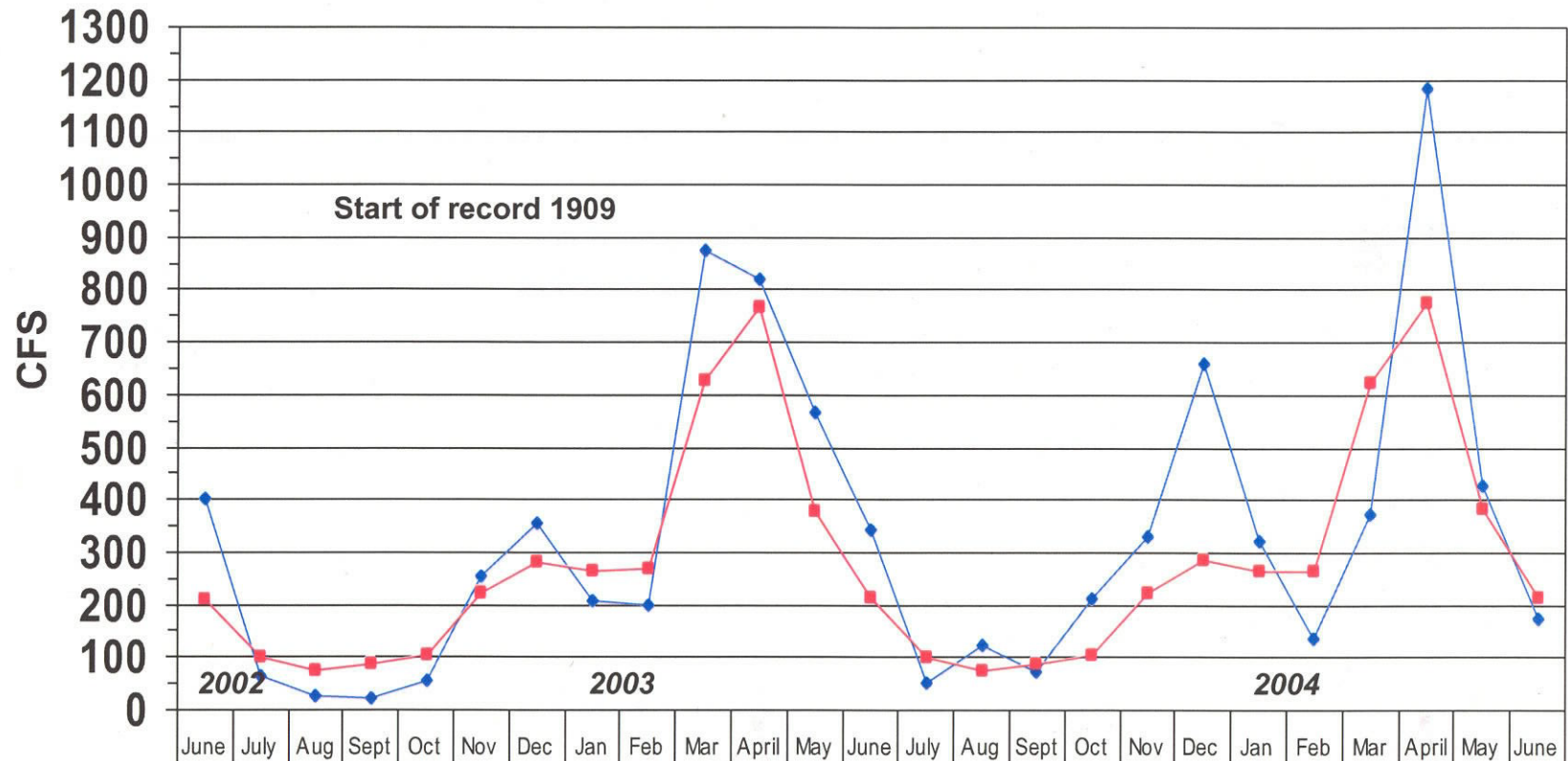
NH DES, Dam Bureau, Source: USGS (Ice: 12/02, 01/03)

# SOUHEGAN RIVER at MERRIMACK NH

## Gage# 01094000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

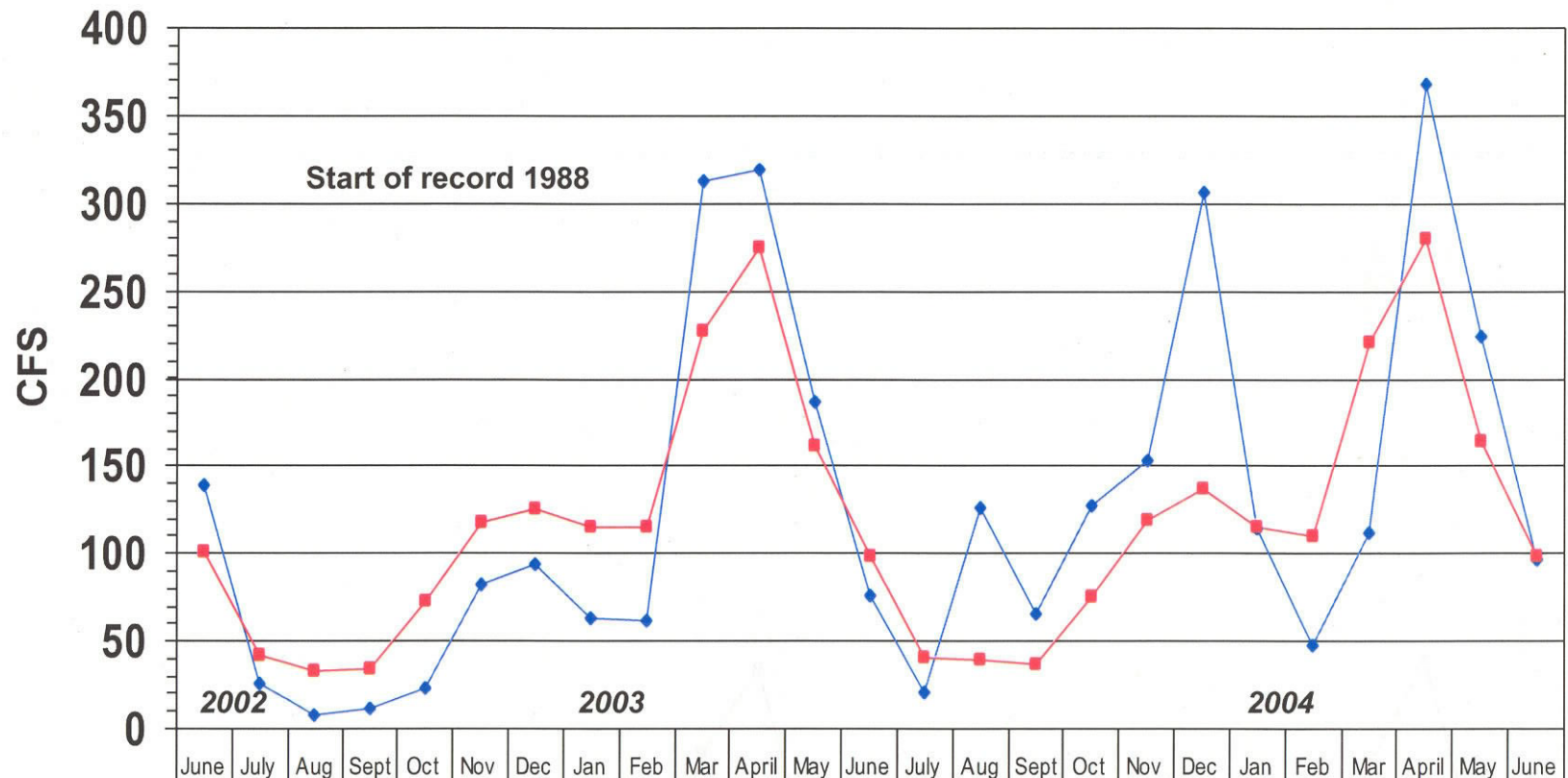


	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	399	65	24	21	55	252	353	206	197	873	817	564	342	52	123	71	209	330	657	319	137	371	1181	426	174
Mean of Monthly Flows	213	101	78	88	106	223	283	267	270	627	770	381	215	101	78	88	107	225	288	268	268	624	776	382	214
% of Normal	187%	64%	31%	24%	52%	113%	125%	77%	73%	139%	106%	148%	159%	51%	158%	81%	195%	147%	228%	119%	51%	59%	152%	112%	81%

# SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	139	26	8	11	23	82	94	63	62	313	319	186	76	20	126	66	127	153	306	115	47	112	368	224	97
Mean of Monthly Flow s	101	43	34	35	73	118	126	116	116	228	275	162	99	41	40	37	76	120	138	116	111	221	281	165	99
% of Normal	138%	60%	24%	31%	32%	69%	75%	54%	53%	137%	116%	115%	77%	49%	315%	178%	166%	128%	222%	99%	42%	51%	133%	136%	98%

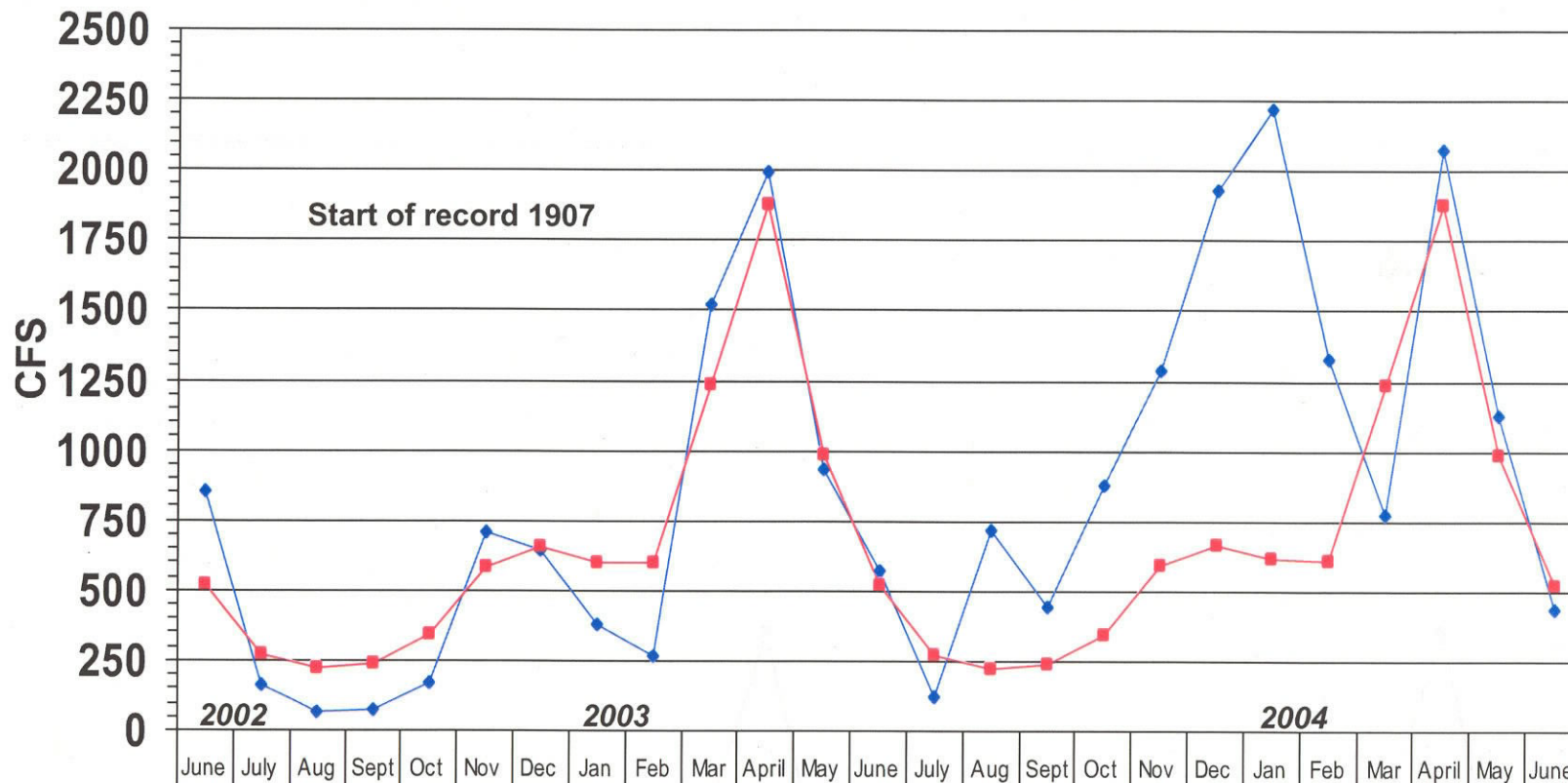
NH DES, Dam Bureau, Source: USGS (ice: 11/02,12/02,01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

# ASHUELOT RIVER at HINSDALE NH

## Gage# 01161000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	855	162	63	70	165	706	642	376	268	1518	1990	934	570	118	712	443	878	1290	1932	2220	1324	769	2072	1122	437
Mean of Monthly Flow s	523	276	224	241	343	586	657	601	600	1241	1880	989	524	274	229	244	349	594	670	618	608	1236	1882	991	523
% of Normal	163%	59%	28%	29%	48%	120%	98%	63%	45%	122%	106%	94%	109%	43%	311%	182%	252%	217%	288%	359%	218%	62%	110%	113%	84%

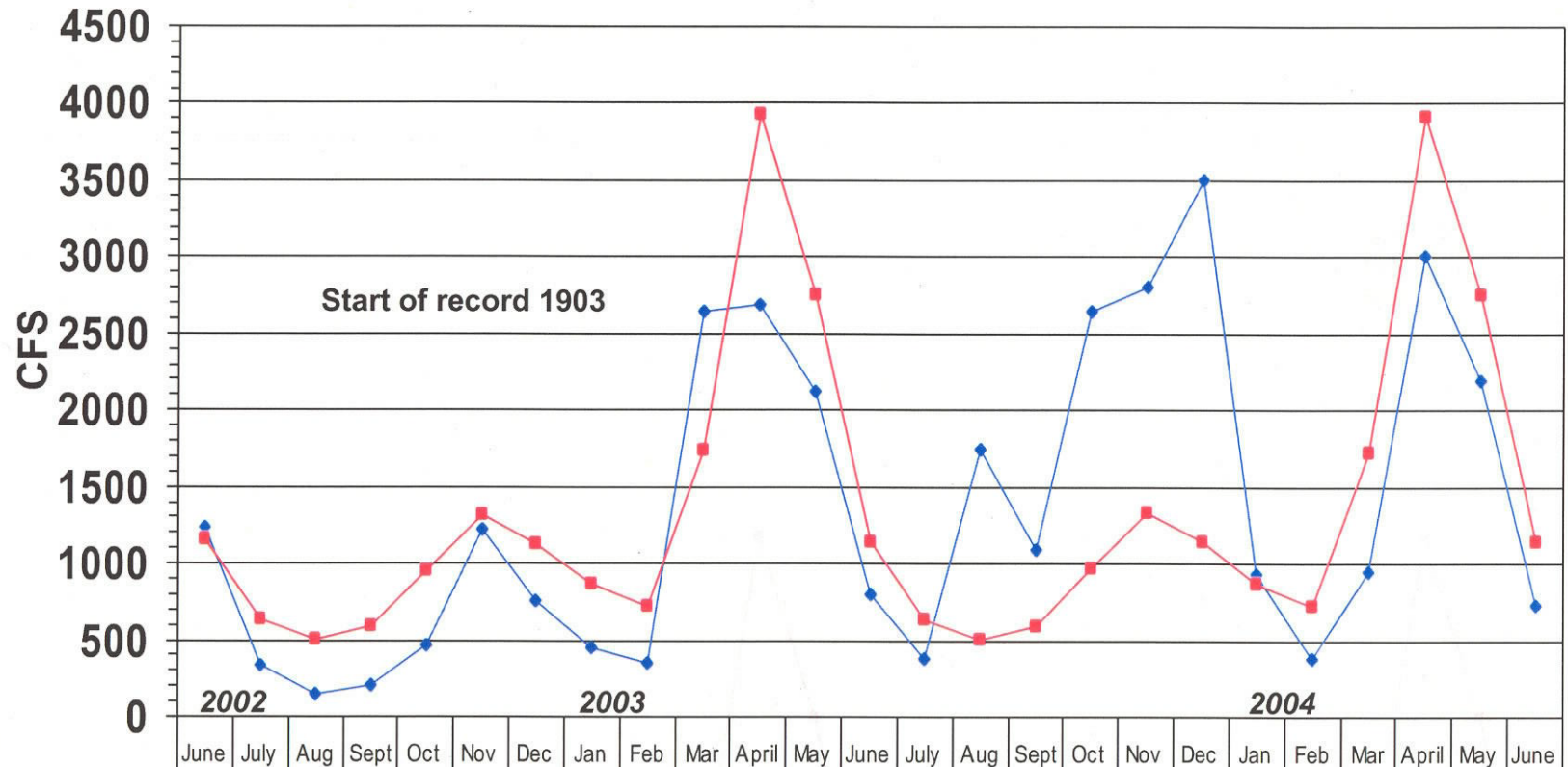
NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,01/04,02/04,03/04)

# PEMIGEWASSET RIVER at PLYMOUTH NH

## Gage# 01076500



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	1239	327	148	198	458	1219	751	448	348	2641	2683	2116	799	380	1737	1083	2644	2800	3495	936	380	949	3009	2191	726
Mean of Monthly Flow s	1155	637	501	590	953	1327	1129	868	730	1736	3933	2762	1152	635	513	595	970	1342	1152	869	726	1728	3924	2756	1148
% of Normal	107%	51%	30%	34%	48%	92%	67%	52%	48%	152%	68%	77%	69%	60%	339%	182%	271%	209%	303%	108%	52%	55%	77%	79%	63%

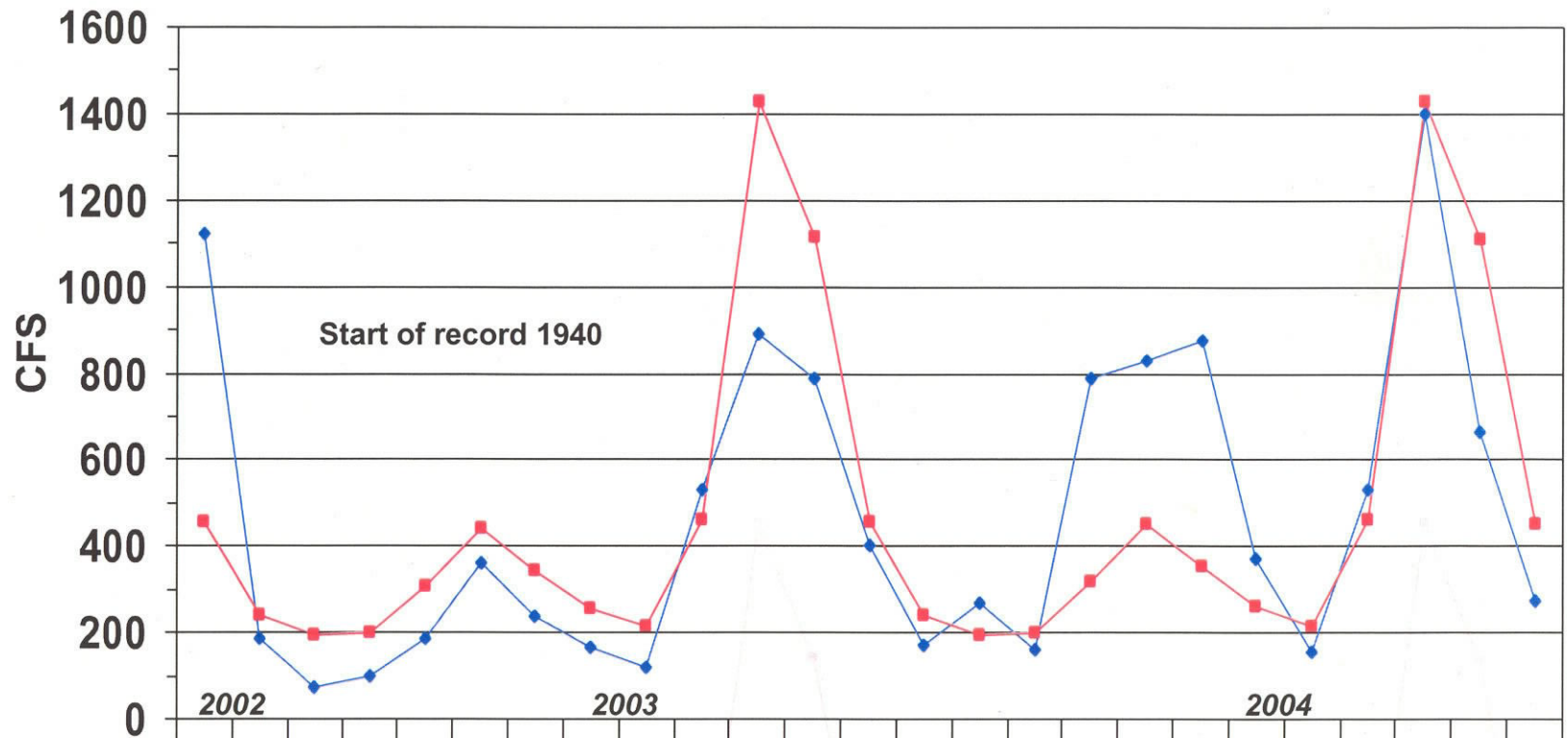
NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,12/03,01/04,02/04,03/04)

# UPPER AMMONOOSUC RIVER near GROVETON NH

## Gage# 01130000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	1119	187	74	100	183	359	237	166	116	529	892	789	401	168	268	158	789	827	877	370	152	528	1397	662	271
Mean of Monthly Flow s	457	242	197	201	310	445	347	258	215	463	1430	1116	456	241	198	201	318	451	355	260	214	464	1429	1109	453
% of Normal	245%	77%	38%	50%	59%	81%	68%	64%	54%	114%	62%	71%	88%	70%	135%	79%	248%	183%	247%	142%	71%	114%	98%	60%	60%

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF JULY 8, 2004



Station number	Station name	Est. Mean Flow (cfs) 7/8/2004	Long Term Median Flow 7/8/2004	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
<b>Androscoggin River Basin</b>										
01052500	Diamond River near Wentworth Location, NH	63	105	22	16	6.8	60%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	1,420	1,710	500	451	0	83%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	1,270	1,905	1300	1310	795	67%	TRUE	TRUE	FALSE
<b>Saco River Basin</b>										
01064500	Saco River near Conway, NH	278	370	105	97	66	75%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	19	22	6	4.8	4.5	86%	FALSE	FALSE	FALSE
<b>Piscataqua River Basin</b>										
01072100	SALMON FALLS RIVER AT MILTON, NH	42	46	27	24	16	91%	FALSE	FALSE	FALSE
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	38	52	7	5	—	73%	FALSE	FALSE	FALSE
<b>Merrimack River Basin</b>										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	121	103	55	49	46	117%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	167	214	65	56	—	78%	FALSE	FALSE	FALSE
01076000	BAKER RIVER NEAR RUMNEY, NH	37	67	18	15	—	55%	FALSE	FALSE	FALSE
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	293	463	130	118	45	63%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	25	32.5	7	6.2	2.7	77%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	1.5	1.4	—	—	—	—	—	—	—
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	257	317	143	136	48	81%	FALSE	FALSE	FALSE
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	732	1,350	520*	551	—	54%	FALSE	FALSE	FALSE
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	15	28	5.5	6.3	—	—	FALSE	FALSE	FALSE
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	79	134	40	37	—	59%	FALSE	FALSE	FALSE
01086000	WARNER RIVER AT DAVISVILLE, NH	40	163	35	39	—	25%	FALSE	FALSE	FALSE
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	21	37	6	5.3	—	57%	FALSE	FALSE	FALSE
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	72	64.5	15.5	13.7	—	112%	FALSE	FALSE	FALSE
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	17	15	1.7	1.2	—	113%	FALSE	FALSE	FALSE
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	269	51	8	8.8	—	527%	FALSE	FALSE	FALSE
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	1,460	1,810	560*	644	98*	81%	FALSE	FALSE	FALSE
		47	54	15	12.9	—	87%	FALSE	FALSE	FALSE
<b>Connecticut River Basin</b>										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	260	330	50	42	30	79%	FALSE	FALSE	FALSE
01129440	MOHAWK RIVER NEAR COLEBROOK NH	17	24	8.5	7.4	5.3	71%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	489	667	220	176	108	73%	FALSE	FALSE	FALSE
01130000	UPPER AMMONOOSUC RIVER NEAR GROVETON, NH	183	190	55	49	32	96%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	1,160	1,290	410	389	115	90%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	67	87	32	28	21	77%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	1,450	2,465	480*	690	152*	59%	FALSE	FALSE	FALSE
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	1,590	3,260	380*	902	82*	49%	FALSE	FALSE	FALSE
01145000	MASCOMA RIVER AT WEST CANAAN, NH	16	24	5.6	4.4	—	67%	FALSE	FALSE	FALSE
01150500	MASCOMA RIVER AT MASCOMA, NH	38	97	27	26	2	39%	FALSE	FALSE	FALSE
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	86	118	40	38	14	73%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	1,610	3,865	260*	1058	115*	42%	FALSE	FALSE	FALSE
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	22	32	4.5	2.7	0.4	69%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	10	12.5	1.6	1.1	0.3	80%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	113	135	32	—	—	84%	FALSE	FALSE	FALSE

\*Flow duration and record low mean daily flow significantly affected by reservoir operations

\*\*Estimated

Source: USGS, NH DES

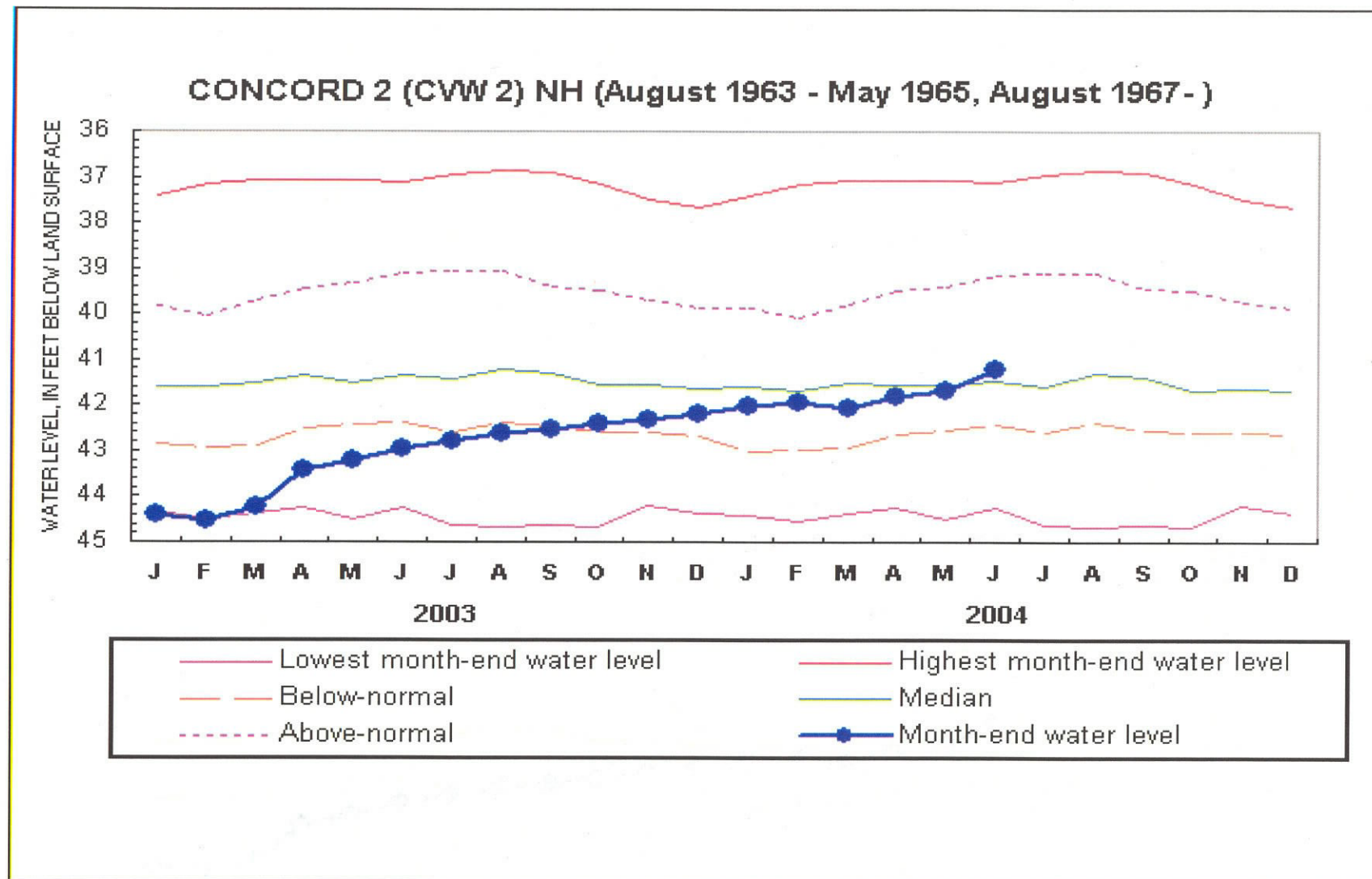
SUMMARY	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	32	36	20
TRUE =	0	1	1

## New Hampshire Groundwater Levels for June 2004



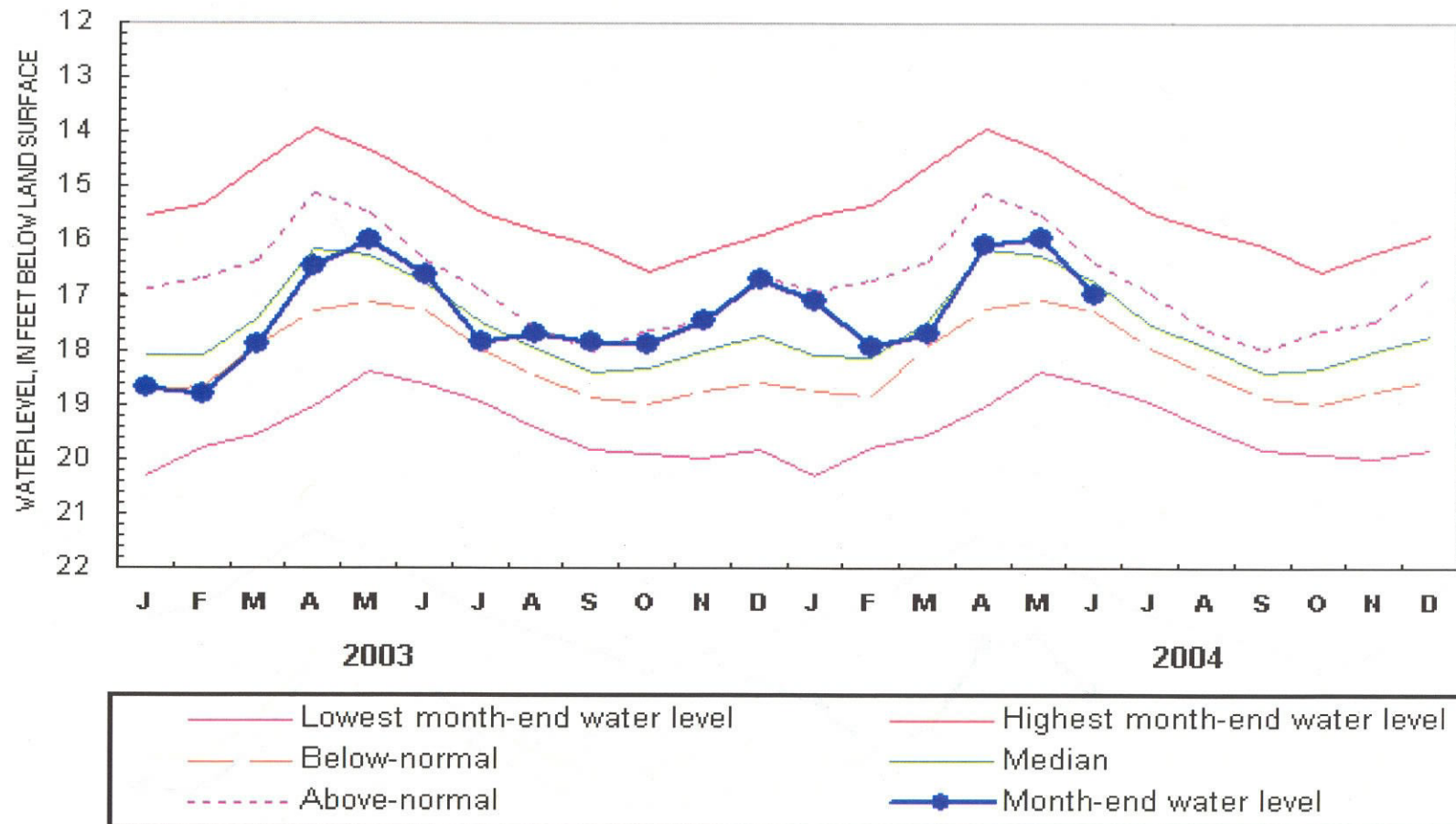
WELL	START OF WATER LEVEL BELOW RECORD	SURFACE DATUM (ft)	NET CHANGE IN ONE MONTH (ft)	NET CHANGE IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	DEPARTURE FROM MONTHLY MEDIAN (FT)	PERCENT OF RANGE	STATUS
ALBANY 14	1995	6.72	-1.17	-0.41	6.31	0.29	-0.41	-141.4	BELOW NORMAL
ALBANY 15	1995	8.76	-1.25	-0.47	8.29	0.27	-0.47	-174.1	BELOW NORMAL
BARNSTEAD 10	1995	2.93	-0.89	+0.08	2.95	0.45	+0.02	4.4	NORMAL
CAMPTON 34	1988	12.89	-1.47	-0.29	12.49	0.81	-0.40	-49.4	NORMAL
COLEBROOK 73	1995	7.85	-0.31	-0.13	7.62	0.32	-0.23	-71.9	BELOW NORMAL
CONCORD 2	1963	41.21	+0.46	+1.74	41.47	4.38	+0.26	5.9	NORMAL
CONCORD 4	1966	16.97	-1.01	-0.35	16.75	1.85	-0.22	-11.9	NORMAL
DEERFIELD 46	1984	37.75	-0.22	+0.32	38.21	0.69	+0.46	66.7	ABOVE NORMAL
ENFIELD 30	1990	4.45	-2.53	-0.20	4.34	2.62	-0.11	-4.2	NORMAL
ERROL 1	1966	13.10	----	+1.6	12.0	2.7	-1.10	-38.9	BELOW NORMAL
FRANKLIN 1	1966	10.27	-0.40	+2.40	11.20	4.36	+0.93	21.3	NORMAL
GREENFIELD 75	1995	60.10	+0.41	+1.38	61.27	2.49	+1.17	47	NORMAL
HOOKSETT 5	1965	47.56	-0.27	-0.31	47.32	2.10	-0.24	-11.4	NORMAL
KEENE 2	1963	4.11	-0.69	-0.71	4.24	2.42	+0.13	5.4	NORMAL
LANCASTER 1	1966	2.40	-2.30	-0.60	1.94	0.56	-0.46	-82.1	BELOW NORMAL
LEE 1	1953	30.90	-1.00	+0.05	30.99	1.39	+0.09	6.5	NORMAL
LISBON 19	1990	14.34	-1.77	+0.00	14.05	0.56	-0.29	-51.8	BELOW NORMAL
NASHUA 218	1964	27.38	-0.51	-0.06	27.73	1.43	+0.35	24.5	NORMAL
NEW DURHAM 53	1986	19.25	-0.59	+0.08	19.18	0.44	-0.07	-15.9	NORMAL
NEW LONDON 1	1947	9.06	-2.85	-1.15	8.77	2.50	-0.29	-11.6	NORMAL
NEWPORT 3	1995	5.97	-1.40	-0.13	5.53	1.11	-0.44	-39.6	BELOW NORMAL
NEWPORT 6	1995	6.07	-1.42	-0.15	5.60	1.11	-0.47	-42.3	BELOW NORMAL
OSSIPEE 38	1995	35.03	-0.23	+0.22	34.94	0.93	-0.09	-9.7	NORMAL
SHELBURNE 2	1995	5.15	-1.33	-0.47	4.40	0.62	-0.75	-121.0	BELOW NORMAL
WARNER 1	1965	29.17	-0.67	-0.83	29.03	2.50	-0.14	-5.6	NORMAL

Source: USGS, NH DES



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

### CONCORD 4 (CVW 4) NH (November 1966 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

WATER LEVEL, IN FEET BELOW LAND SURFACE

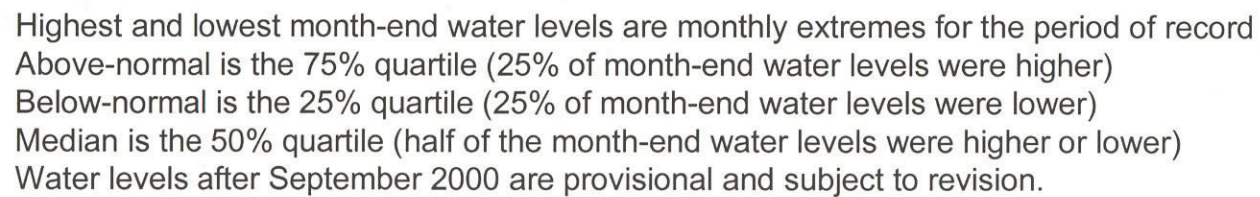
9  
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16

J F M A M J J A S O N D J F M A M J J A S O N D

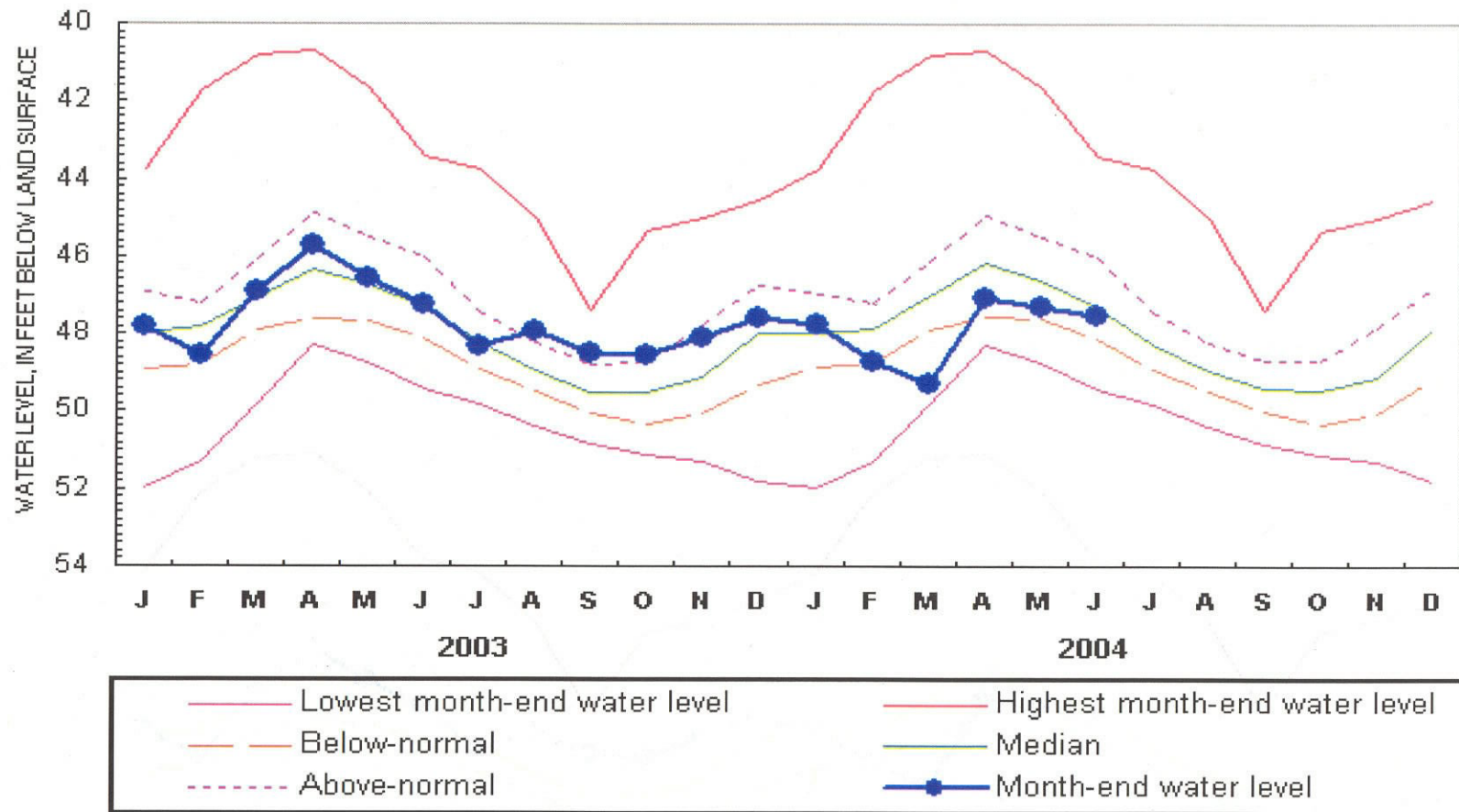
2003 2004

— Lowest month-end water level  
— Highest month-end water level  
- - Below-normal  
- - Above-normal  
—●— Month-end water level

Source: NH DES, Dam Bureau, USGS



### HOOKSETT 5 (HTW 5) NH (April 1965 - )



Highest and lowest month-end water levels are monthly extremes for the period of record

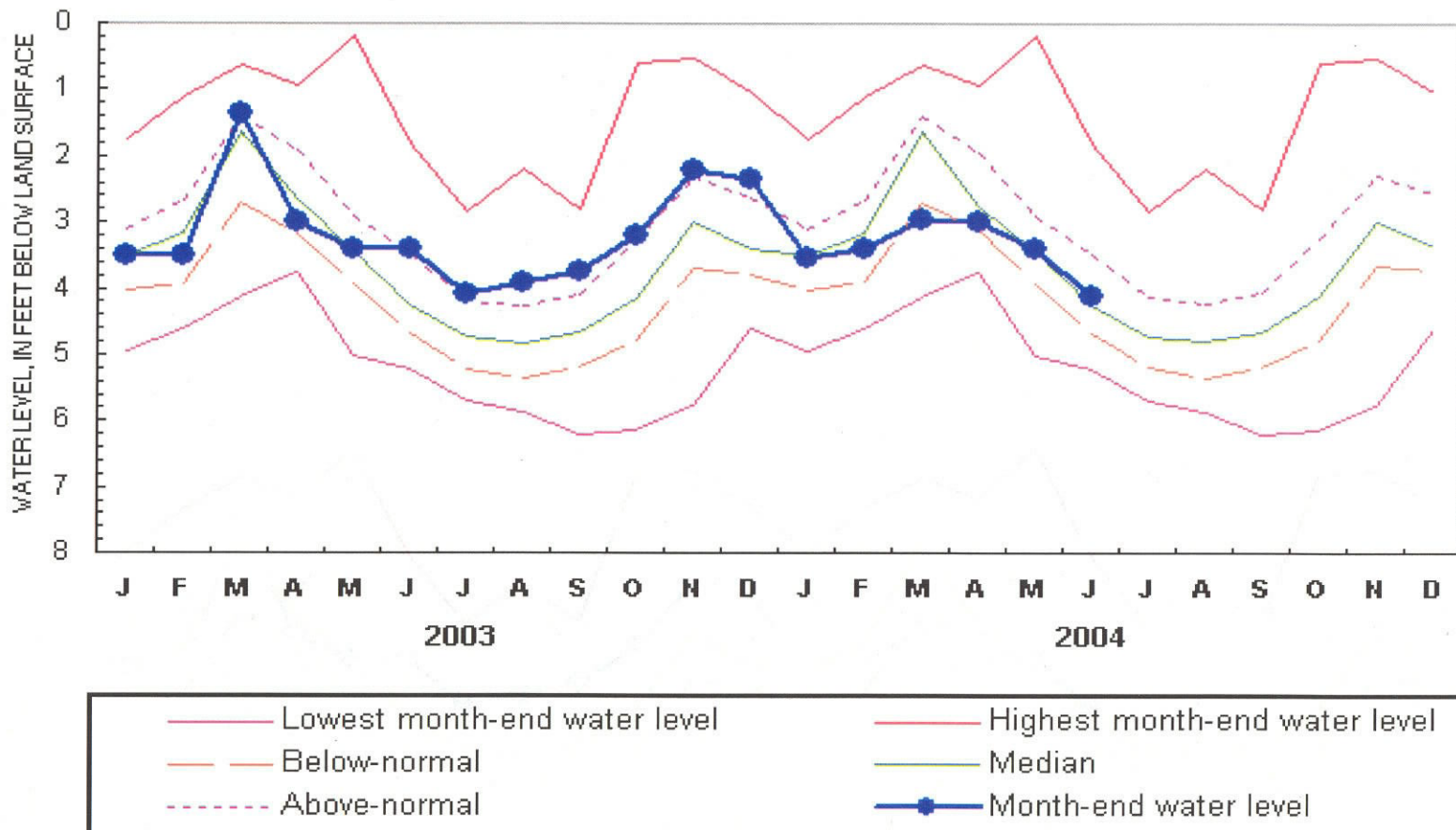
Above-normal is the 75% quartile (25% of month-end water levels were higher)

Below-normal is the 25% quartile (25% of month-end water levels were lower)

Median is the 50% quartile (half of the month-end water levels were higher or lower)

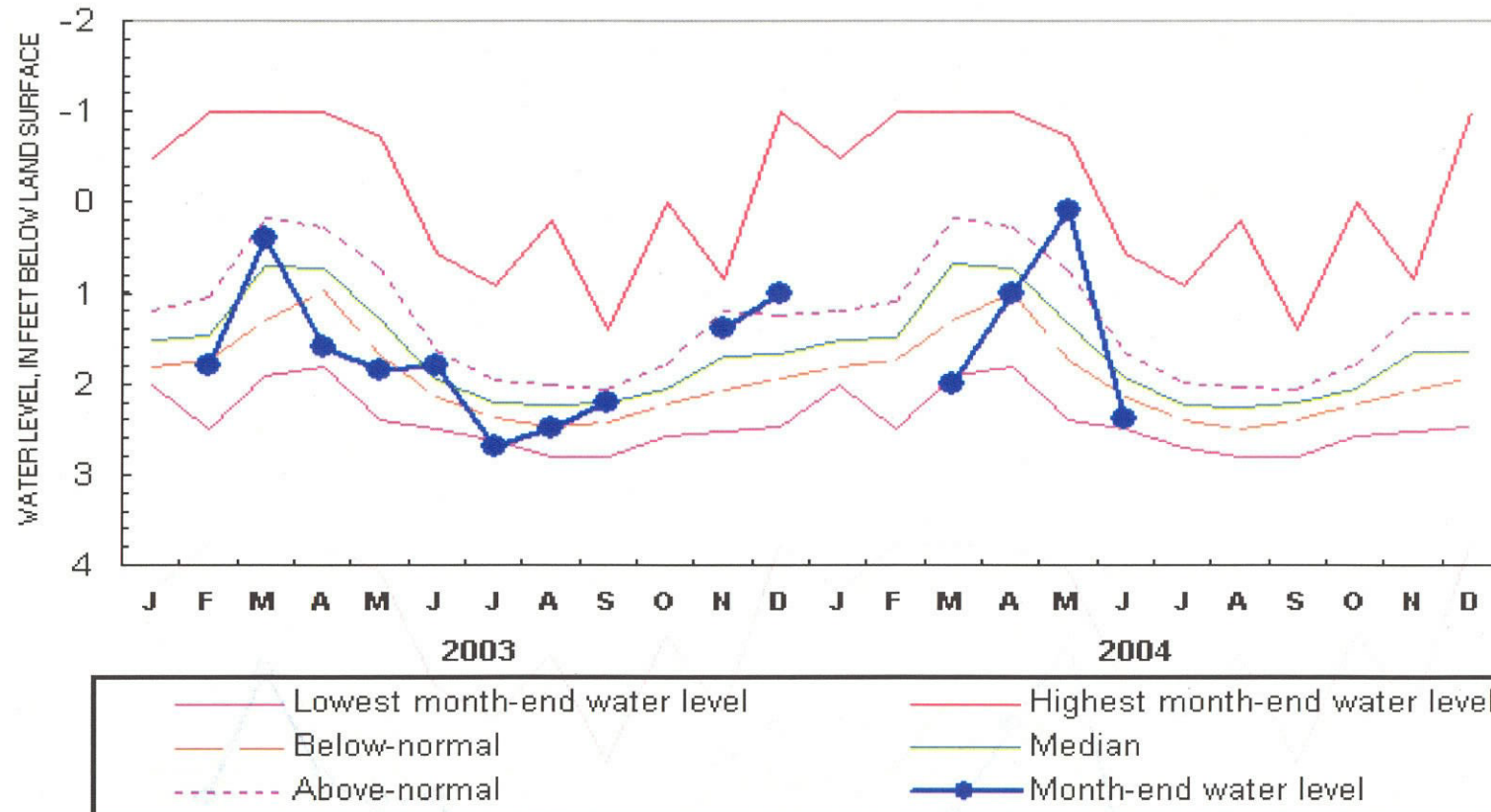
Water levels after September 2000 are provisional and subject to revision.

### KEENE 2 (KEW 2) NH (August 1963 - )



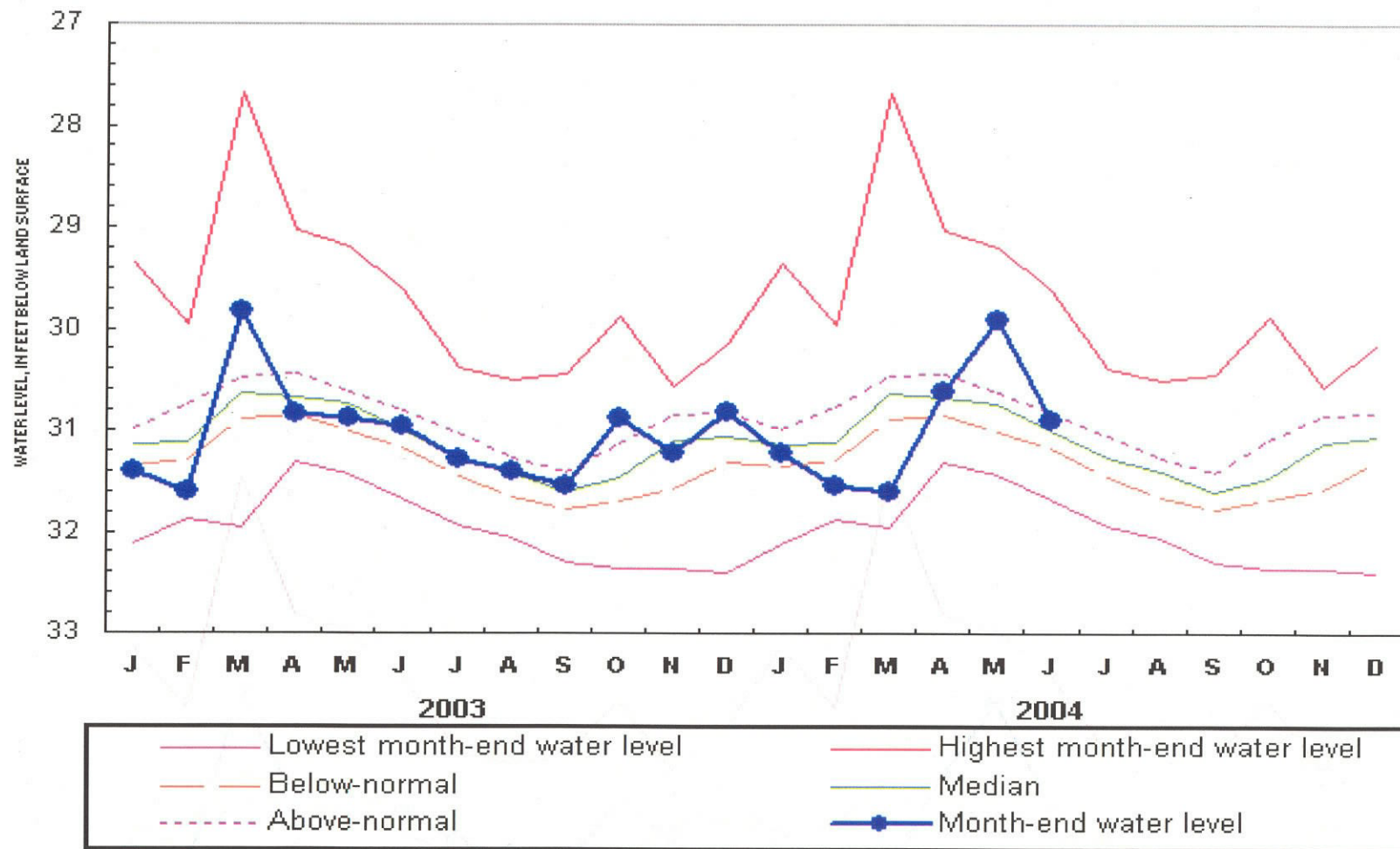
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)

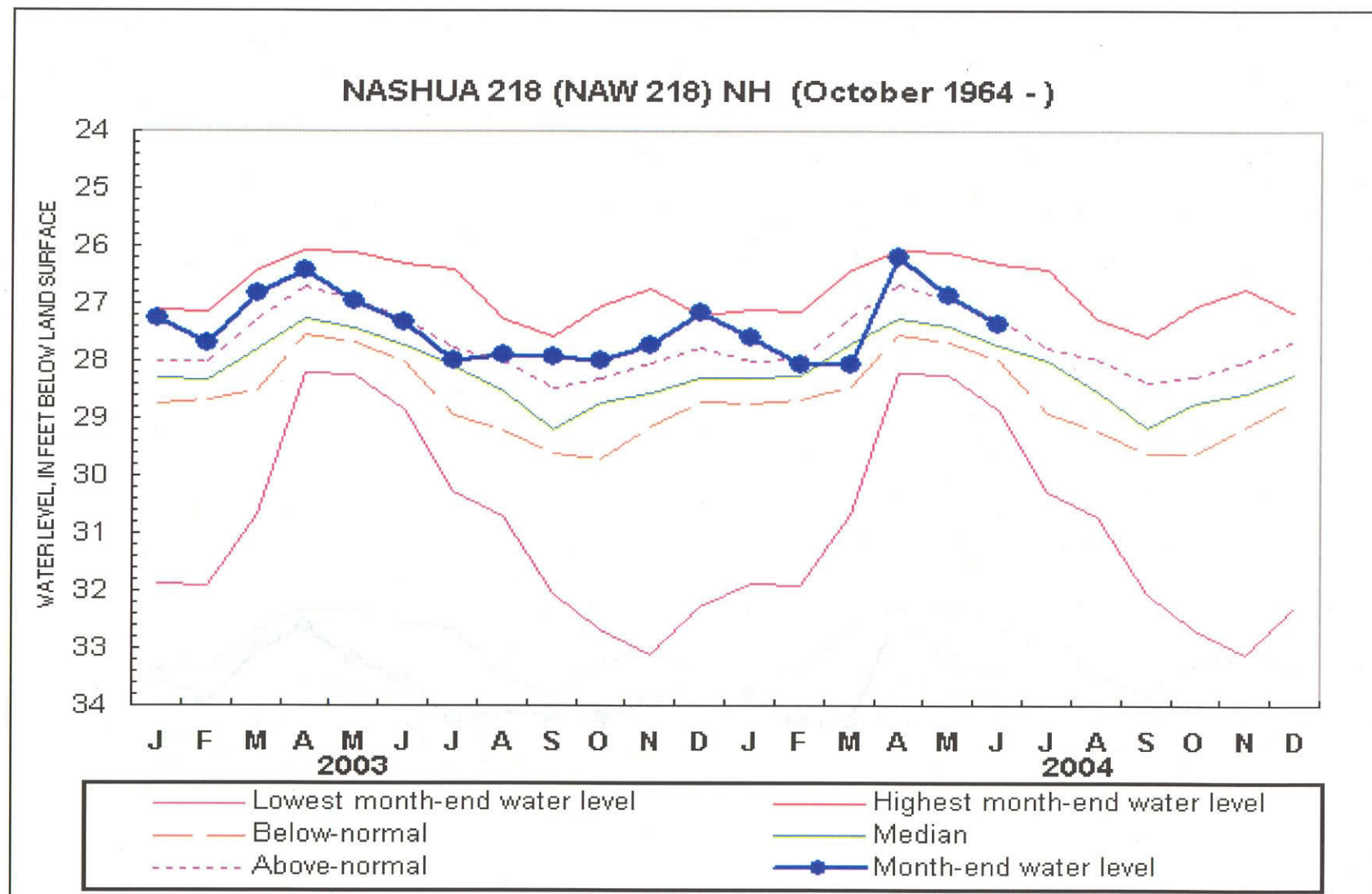


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

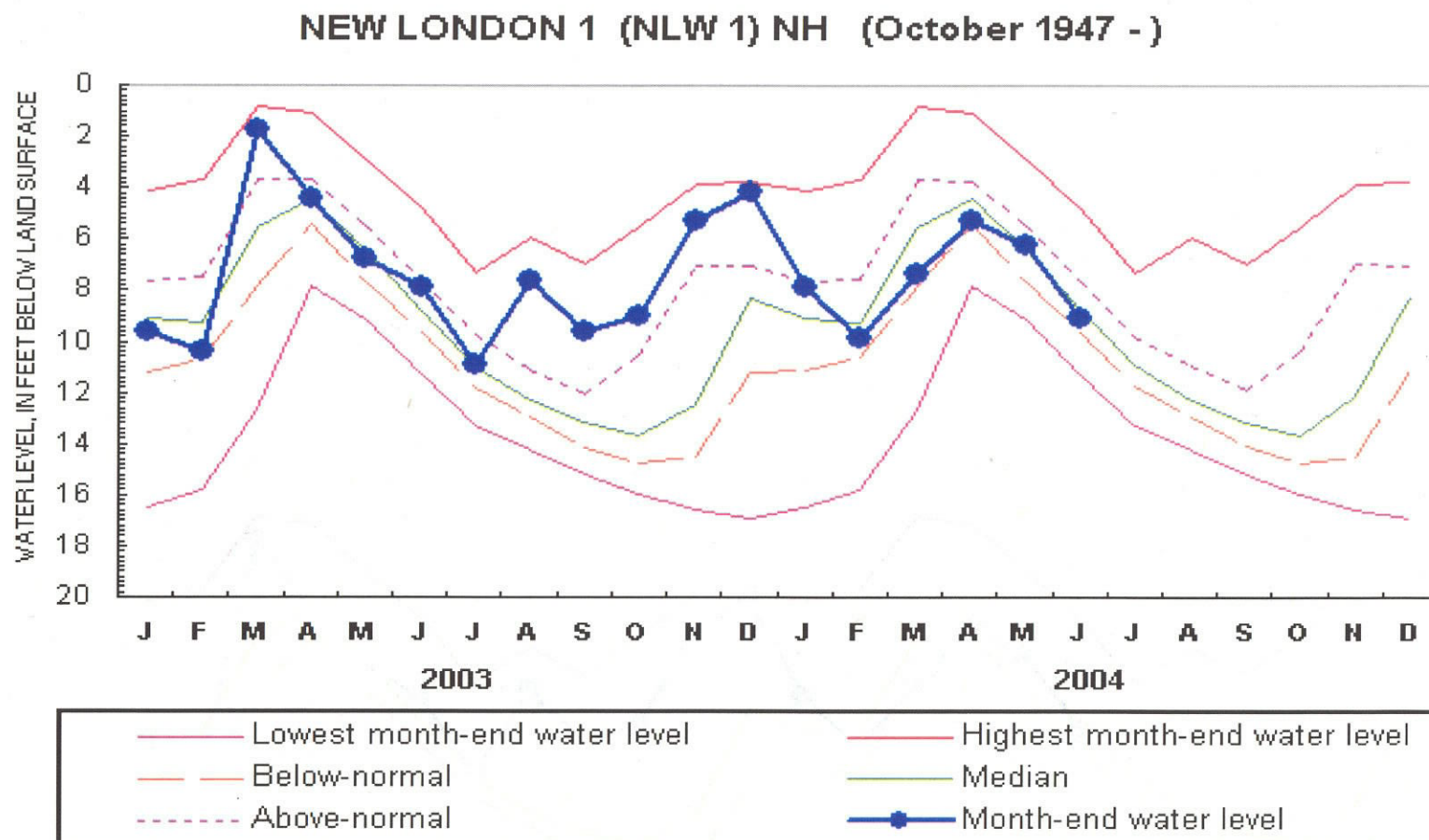
### LEE 1 (LIW 1) NH (November 1953 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

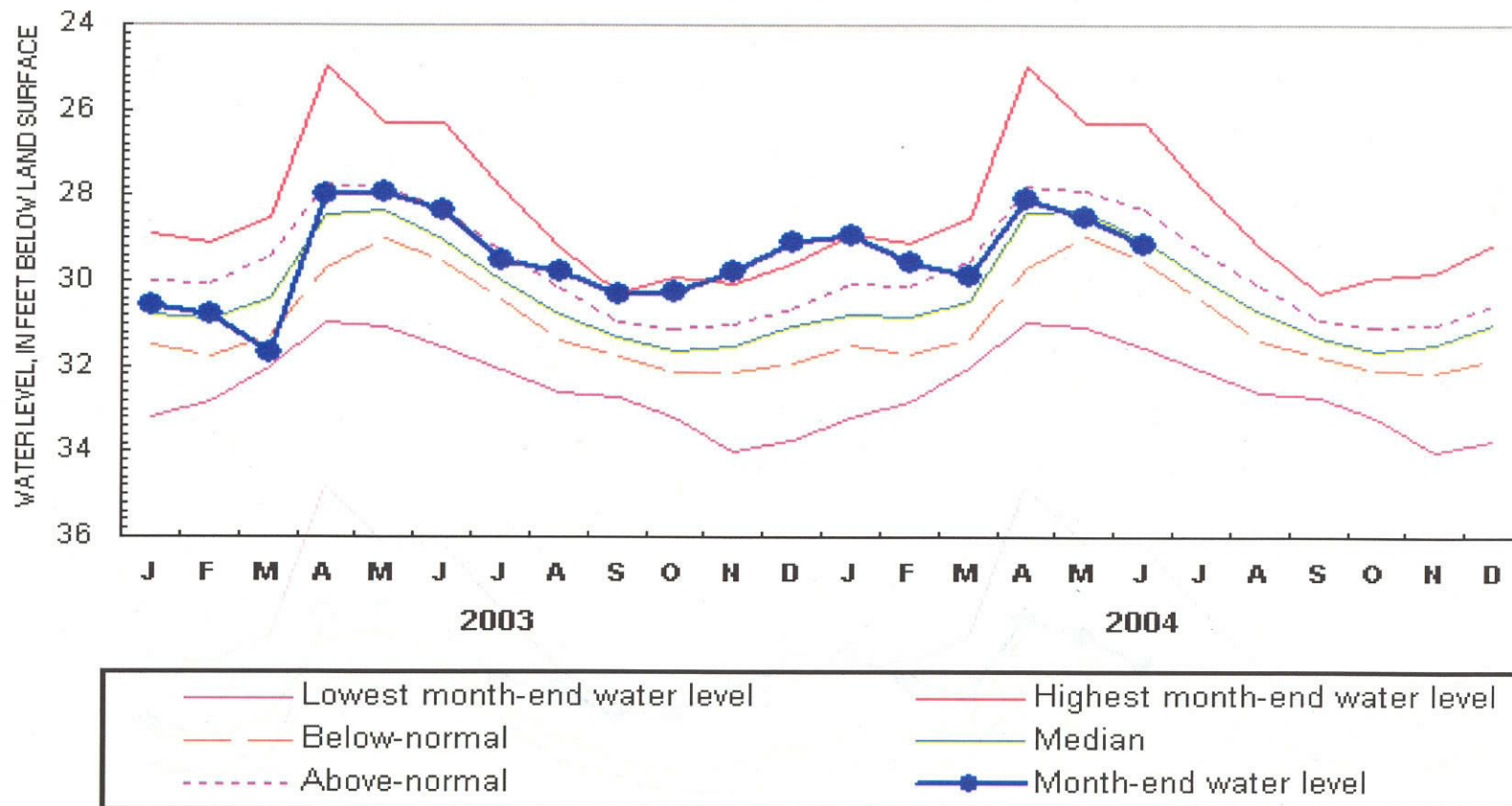


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
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Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

### WARNER 1 (WCW 1) NH (December 1965 - )

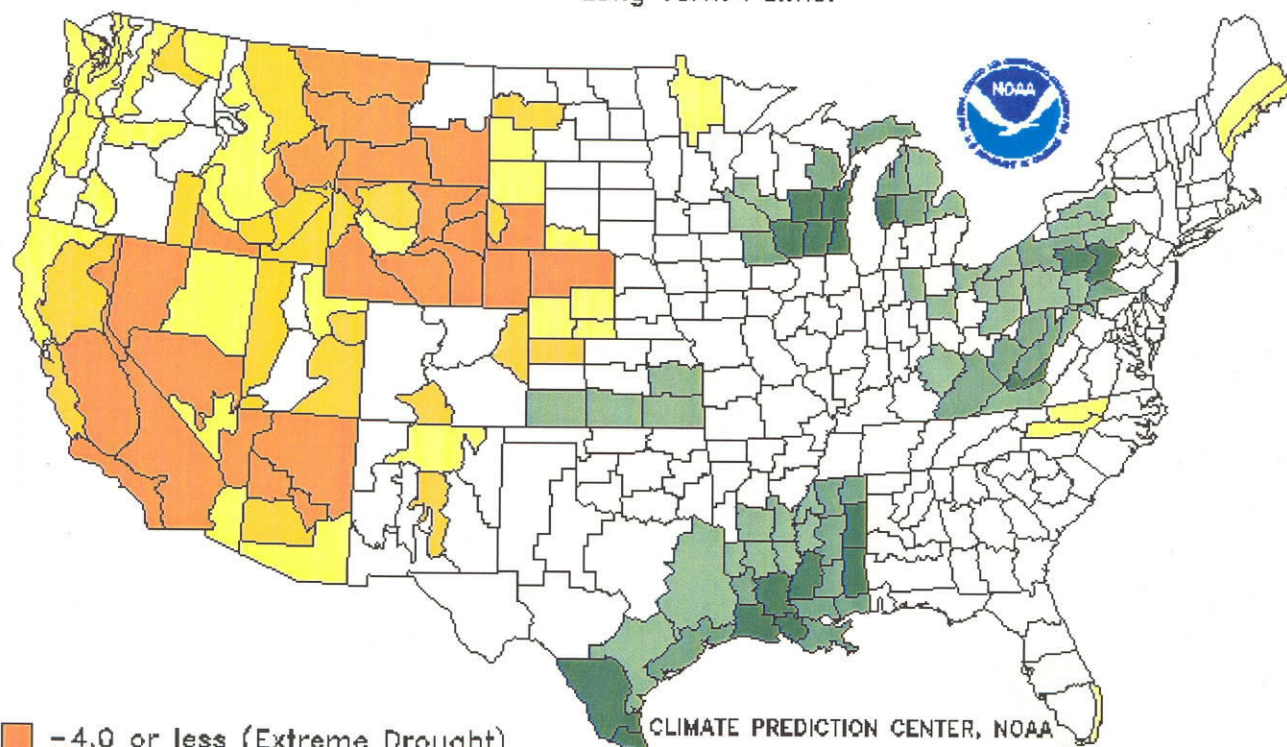


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

# Drought Severity Index by Division

Weekly Value for Period Ending 3 JUL 2004

Long Term Palmer



■ -4.0 or less (Extreme Drought)

■ -3.0 to -3.9 (Severe Drought)

■ -2.0 to -2.9 (Moderate Drought)

■ -1.9 to +1.9 (Near Normal)

■ +2.0 to +2.9 (Unusual Moist Spell)

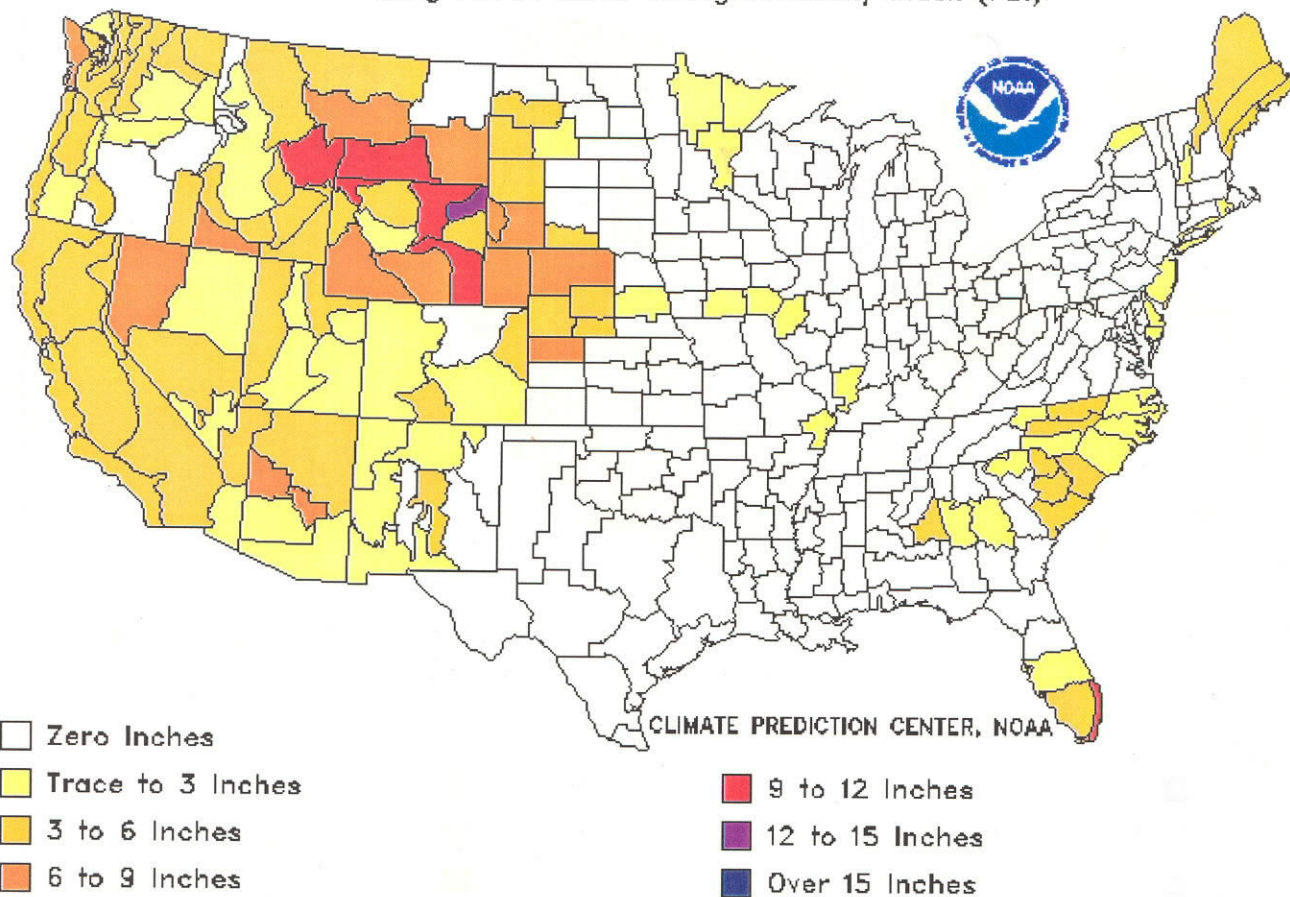
■ +3.0 to +3.9 (Very Moist Spell)

■ +4.0 and above (Extremely Moist)

# Additional Precip. Needed (In.) to Bring PDI to -0.5

Weekly Value for Period Ending 3 JUL 2004

Long Term Palmer Drought Severity Index (PDI)



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.